"LET'S COOK"

Stories

Ce document dresse une liste des fonctionnalités utilisateurs implémentées pour le projet « Let’s cook » réalisé par le groupe n°5 dans le cadre du cours de génie logiciel.

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First Iteration

Project Manager

Nicolas Bernier

Shopping List [3]

Started during iteration: 1 **Difficulty**: 2 **Status**: Done (1) **IT**: 1 **G**: 5

The user can build a shopping list. The user can add products to the list and as such make a list. This list is saved and can be edited later on. The user can also make a shopping list based on one or several recipes.

By selecting one or multiple recipes out of a list of recipes, the ingredients of these recipes are assembled in a shopping list by the application. The user can edit the shopping list, e.g., to remove ingredients that he already has at home.

Second Iteration

Project Manager

Thibaut Nicodème

Managing supermarkets [1]

Started during iteration: 2 **Difficulty**: 3 **Status**: Done (3) **IT**: 2 **G**: 5

A database with supermarkets is now available. This database contains a list of super-markets, each supermarket has an address, coordinates, and contains a list of products. Each product has a price and a country of origin. The application will concentrate on food, so the products are vegetables, meat, spices, dairy products, etc.

Users can rate a supermarket. Users can add a supermarket that is not yet in the database. Users can ask a list of the nearest supermarkets based on their coordinates. The user needs to be able to select the radius in which the shown supermarkets are located, around his location. If the user clicks on a supermarket, the address is shown together with a map and the list of available products and users are able to add those products on their shopping list.

User login [+11]

Started during iteration: 2 **Difficulty**: 1 **Status**: Done (2) **IT**: 2 **G**: 5

Users can create an account and have to login to use the application. The user can connect using a combination of an email address and a password. The user must input names, description and optionally a profile picture when he register.

Third Iteration

Project Manager

Sanawar SYED

Managing recipes [2]

Started during iteration: 3 **Difficulty**: 2 **Status**: Done (3) **IT**: 3 **G**: 5

Users can publish recipes. First of all, they can compose a recipe. The recipe has a name, a list of ingredients and a preparation description. It can have a price per person associated. The user has a set of recipes on his/her smartphone but he can decide to publish a recipe. This recipe is then available for all other users of the application.

A user can also rate a recipe or give it another price. The user can ask a list of recipes based on ingredients or a list of recipes is shown in alphabetical order. It is also possible to list the ingredients of all recipes in alphabetical order.

Object-oriented database [+12]

Started during iteration: 3 **Difficulty**: 1 **Status**: Done (3) **IT**: 3 **G**: 5

Additionally, a new database will be implemented and used, starting at this iteration (cf. documentation for further explanation and justifications).

UPDATED: User login [+11]

Started during iteration: 2 **Difficulty**: 1 **Status**: Done (3) **IT**: 3 **G**: 5

The user can also connect using its phone number as read in the SIM card. The user must input names, description and optionally a profile picture when he register.

Fourth Iteration

Project Manager

Ekaterina Asfandyarova

Buying products [4]

Started during iteration: 4 **Difficulty**: 2 **Status**: Done (4) **IT**: 4 **G**: 5

When online, users can ask for a list of supermarkets that are nearby and that offer the cheapest ingredients based on a set of recipes or on their unique shopping list. Users can also ask for the supermarkets where they can find the products of their unique shopping list or of some recipes.

It's not impossible that per shopping list or per set of recipes there is not exactly one supermarket that offers all ingredients but that the user has to go to several supermarkets to find all the necessary products. The partial matches will be displayed to the user.

The user can ask for the list of supermarkets based on their rating.

UPDATED: Shopping List [3]

Started during iteration: 1 **Difficulty**: 1 **Status**: Done (4) **IT**: 4 **G**: 5

Additionally, users can calculate the cost of their unique shopping list. To do so, the user must attribute a market to the products he'll buy.

Offline-mode [+13]

Started during iteration: 4 **Difficulty**: 3 **Status**: Done (4) **IT**: 4 **G**: 5

When the user offline, he can use the application normally (except advanced research like markets search). The data he'll see will be the information he already consulted before. Those data are stored on a local SQLite database that is automatically updated when the user consults more screens. The user doesn't need to do anything to enable this functionality.

The user can also edit or add things to the database. The changes will be done automatically for him as soon as he reconnects to the web. When the user quits the app, uncommitted queries are stored in a file and are reloaded on next launch.

Asynchronous requests & download efficiency [+14]

Started during iteration: 4 **Difficulty**: 2 **Status**: Done (4) **IT**: 4 **G**: 5

Requests to the database are done in a different thread to avoid blocking the UI thread to make sure the user experience is as fluid as possible.

When the application needs to display information, it will try to find this information in the cache database first, and he'll perform the request to the database in a third low- priority thread that handles "update queries" and the cache. Up to date information may takes a few seconds to display but cached info will be displayed in the meantime.

Only required information is downloaded (so, when you display the market list, only the description of the markets will be downloaded). To improve the performance even further, most lists are only loaded by bunch of items and the user can click on a button to download the next bunch of items.

With those changes, the application is fast enough even with a very unresponsive database or slow 3G data connection.

UPDATED: User login [+11]

Started during iteration: 2 **Difficulty**: 1 **Status**: Done (4) **IT**: 4 **G**: 5

The user password is now stored more securely in the database.

Fifth Iteration

Project Manager

François REMY

Edit photo information [+14]

Started during iteration: 5 **Difficulty**: 1 **Status**: Done (5) **IT**: 5 **G**: 5

When online, user can add picture for every item (product, market and recipe) by typing an URL.

Internal message service [+15]

Started during iteration: 5 **Difficulty**: 1 **Status**: Done (5) **IT**: 5 **G**: 5

The user also will have the possibility to send a message to another user through the application (from the user list).

Allergen information [+16]

Started during iteration: 5 **Difficulty**: 1 **Status**: Done (5) **IT**: 5 **G**: 5

When viewing or creating a product, the user can view (respectively: change) the value of an allergic information (i.e. if a product contains gluten).